Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/08/2020 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124425	-1	2.98	124498	3.05
Blue	F	SSC	125000	124774	-1	2.08	125545	2.07
Blue	E	FITC	15892	15377	-4	2.99	335	21.36
Blue	D	PE	29999	29190	-3	2.08	636	15.55
Blue	B	PerCP-Cy5-5	43732	43739	0	3.92	1173	21.72
Blue	A	PE-Cy7	30845	30846	0	6.59	583	44.37
Red	C	APC	46112	44822	-3	2.53	1585	12.59
Red	A	APC-Cy7	30458	29551	-3	2.41	781	12.43
Violet	B	V450	7918	7559	-5	3.97	427	13.01
Violet	A	V500	32171	31230	-3	3.77	730	10.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16894	16.58	657	36	N/A	N/A	Pass
Blue	F	SSC	56885	1.52	586	27	N/A	N/A	Pass
Blue	E	FITC	61	68.96	555	12	0.0178	172	Pass
Blue	D	PE	133	53.63	561	13	0.1530	314	Pass
Blue	B	PerCP-Cy5-5	213	53.37	671	15	0.0079	52	Pass
Blue	A	PE-Cy7	105	116.20	716	18	0.0095	28	Pass
Red	C	APC	378	25.64	591	7	0.0220	81	Pass
Red	A	APC-Cy7	172	28.63	563	7	0.0049	450	Pass
Violet	B	V450	65	58.41	463	5	0.0484	1786	Pass
Violet	A	V500	109	33.39	479	5	0.0225	708	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.36	-32.06	0.99
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.82	13.60 - 20.40	N/A	N/A	29.57	29.82	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9820

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments